Peak District National Park

Forecast valid from 00:00 on Thursday 23 Jun 2022 until 23:59 on Friday 24 Jun 2022

Forecast Issued on Wednesday 22 Jun 2022 at 15:31

Confidence: High for initially fine and very warm conditions, and for a transition to cooler and more unsettled conditions from Thursday evening. Lower for timing and development of showers and thunderstorms.

Headline for Thursday 23 Jun 2022: A very warm and sunny day. Turning unsettled during the evening as an area of showers and thunderstorms pushes north.

Mountain weather hazards on Thursday 23 Jun 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
No Likelihood

Poor visibility
Low Likelihood

Thunderstorms
Medium Likelihood

Heavy persistent rain
Low Likelihood

Strong sunlight
High Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Sunny	Sunny	Sunny intervals	Sunny intervals	Light rain showers	Thundery showers (night)
Precipitation probability							
<05%	<05%	<05%	<05%	<05%	10%	30%	40%

Forecast for Thursday 23 Jun 2022

Weather: Skies widely clear at first, although some pockets of hill fog possible around dawn. Warm or very warm in the sunshine with small amounts of fair weather cloud developing during the afternoon. Thicker cloud will gradually build through the evening as an area of showers pushes north, with heavy downpours and thunderstorms likely to break out across parts of the Peaks during the evening. Some areas may remain dry throughout.

Chance of cloud-free hill tops above 600m: 80%, soon increasing to above 95%.

Low cloud and visibility: Some patchy low cloud may briefly shroud higher peaks in the early hours, rapidly clearing around dawn. Visibility will be very good with distant hills clearly visible. Cloud bases expected to remain above hills even in showers, although visibility may lower to moderate or poor in any heavier showers later.

Forecast for Thursday 23 Jun 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/7 SE	4/6 S	5/7 S	5/9 SW	7/12 S	7/12 S	10/16 SE	10/15 SE	7/11 S
300	4/5 E	2/3 E	2/4 E	5/8 SW	6/11 SW	6/11 SE	8/15 SE	7/11 SE	4/7 S
Valley	3/4 N	2/3 E	1/3 SE	2/5 W	5/9 SW	5/10 SE	6/13 SE	4/10 SE	4/8 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/13	14/13	15/15	17/17	20/18	20/19	19/17	16/15	14/13
300	15/14	14/14	16/16	19/19	22/21	23/22	21/20	18/17	16/16
Valley	14/14	12/12	16/16	20/21	23/23	24/24	22/21	19/19	16/17
Freezing Level*	2700m	2600m	2600m	2600m	2800m	2900m	3000m	3000m	2900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling very warm during the day with high UV levels. Adequate hydration and sun protection is recommended, along with waterproofs in case of getting caught out in showers later.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Wed 22 Jun 2022	0mm	0mm	0mm

Forecast for Friday 24 Jun 2022

Weather: A largely cloudy and unsettled day on Friday with some bright, sunny spells interspersed with scattered showers. Showers may merge to give more prolonged downpours, heavy at times with a risk of thunder. Feeling less warm.

Maximum wind: Southerly 15-20mph, gusting to 30mph.

Chance of cloud-free hill tops above 600m: 60%, increasing to 80% during the evening.

Low cloud and visibility: Cloud banks may cover hills down to around 500m initially, with patches down to around 300-500m in prolonged showers or heavier bursts of rain.

Temperature: **Valleys:** Plus 14 Celsius rising to Plus 22 Celsius.
At 600m: Plus 11 Celsius rising to Plus 18 Celsius.
Freezing level: Above summits.